

**Office of Safety Regulation of the TWRS-P Contractor
Corrective Action Notice (CAN)**

CAN-2000-01
March 14, 2000

I. Issue Description

DOE/RL-96-0006, *Top-Level Radiological, Nuclear, and Process Safety Standards and Principles for TWRS Privatization Contractors*, Section 4.1.3, "Authorization Basis," requires that the authorization basis be maintained current. RL/REG-97-13, *Regulatory Unit Position on Contractor Initiated Changes to the Authorization Basis*, Section 3.2, specifies that changes to facility design will either be consistent with the existing authorization basis or that the authorization basis will be revised before the proposed changes are implemented. In related parts, the Contractor's Integrated Safety Management Plan (ISMP), Section 3.3.2, "Control of the Authorization Basis," and Section 5.3, "Configuration Management," specify that before any given change is implemented, the impact of the proposed change on the authorization basis will be determined and the necessary changes to the authorization basis will be made.

Contrary to the above, during the week of October 4-8, 1999, RU inspectors found that the Contractor had not established or implemented a process that would ensure that the authorization basis was maintained current with respect to the facility design.

II. Sequence of Events

The following are the key events that resulted in the issuance of CAN-2000-01.

August 1998	Facility design phase (Part B-1 of TWRS-P project) commenced under an approved ISMP and Quality Assurance Program and Implementation Plan (QAPIP) (the QAPIP describes the Contractor's implementation of 10 CFR 830.120, "Quality Assurance," requirements).
October 4-8, 1999	RU conducted an inspection of the Contractor's authorization maintenance process.
October 8, 1999	RU informed the Contractor of the issue described in Section I and RU intent to establish Inspection Finding IR-99-007-01-FIN.
November 23-24, 1999	RU conducted a follow-up inspection to clarify Contractor documentation discrepancies noted in October 4-8 inspection.

December 13, 1999	Inspection Report IR-99-007 was issued documenting October 4-8 and November 23-24 inspections and Finding IR-99-007-01-FIN.
January 25, 2000	Contractor responded to IR-99-007 and described corrective actions related to Finding IR-99-007-01-FIN.
January 27, 2000	Meeting held with Contractor to discuss authorization basis maintenance issues.
February 10, 2000	RU informed the Contractor of RU determination that corrective actions associated with IR-99-007 were not adequate or timely. RU requested revised corrective actions and 10 CFR 820 reportability determination.
February 24, 2000	Contractor submitted revised corrective actions to address IR-99-007 Findings. Revised response indicates that conditions described in IR-99-007 were reportable under 10 CFR 820.
March 1, 2000	Corrective action meeting held to discuss IR-99-007 and Contractor's revised corrective actions.
March 14, 2000	Regulatory Official decision to issue CAN.

III. Reason for Corrective Action Notice

The condition described in Section I existed throughout Part B-1 of the TWRS-P project and was not identified by the Contractor. Following identification of the condition, the Contractor's corrective actions to correct the problem were not adequate or timely.

IV. Related DOE Nuclear Safety Requirements

10 CFR 830.120(c)(2)(i), "Work Processes," states that work shall be performed to established technical standards and administrative controls.

Contrary to the above, the Contractor has not implemented an authorization basis management process as specified in requirements and commitments described in Section I while performing facility design activities.

The RU has determined that this noncompliance with DOE nuclear safety requirements is a reportable programmatic issue for the reasons described in Section III. The RU acknowledges BNFL also has determined this noncompliance is reportable and plans to report the noncompliance on March 14, 2000.

V. Corrective Action Plan (CAP) Request

In accordance with RL/REG-98-06, *Corrective Action Program Description*, BNFL is requested to submit a CAP to address the issue described in Section I. The following describes the scope and content of an acceptable CAP.

A. Scope and Objective of the CAP

The CAP should describe the actions formulated by BNFL that will result in:

- (1) bringing the authorization basis current with respect to the TWRS-P facility design, and
- (2) the implementation of an effective authorization basis maintenance process.

B. Elements and Level-of-Detail

The Contractor is responsible for establishing the milestones and specific actions that will result in achieving the objectives of the CAP. The following information is provided to describe certain information that should be included in an acceptable CAP.

(1) Significant CAP Milestones

The corrective action milestones currently described in the corrective actions for Finding IR-99-007-01-FIN in BNFL Letter 011525, dated February 24, 2000, are acceptable.

(2) Information and Specific Corrective Actions - Bringing the authorization basis current

The CAP should identify the design documents under configuration control that constitute the facility design and which will be consistent with the authorization basis.

The CAP should identify the specific actions that will be taken to bring the authorization basis current and the planned completion dates for each action. The level-of-detail presented at the March 1, 2000, corrective action meeting to address this milestone would be appropriate.

(3) Information and Specific Corrective Actions - Implement an Effective Authorization Basis Maintenance Process

The CAP should identify the specific procedures and training programs that will be developed.

The CAP should identify the specific actions that will be taken to implement an effective authorization basis maintenance process and the planned completion dates for each action. Specific corrective actions identified should include (but are not necessarily limited to): process procedure development and approval, changes to the ISMP and other elements of the authorization basis to implement

the new process, training program development and approval, and conduct of training.

(4) Specific Corrective Actions – Contractor Verification of Corrective Action Effectiveness

The CAP should identify the specific actions that will be taken to assess the effectiveness of the corrective actions taken to correct the conditions identified by IR-99-007-01-FIN. Specific corrective actions identified should include (but are not necessarily limited to): development and approval of detailed assessment plan(s), period for conducting the assessment, and assessment documentation development and approval.

The CAP should identify when final Contractor assessment documentation will be available to the RU for inspection.

E. CAP Submittal Date

The CAP shall be submitted no later than April 14, 2000.